

110, flush lumen 112 in catheter 31, see FIGS 4A and 4B, and vacuum lumen 113 in catheter 21, see FIGS 4B and 4C. Solution, examples of which were discussed earlier, is circulated by a pump (not shown), or other means known in the art for circulating fluids, from the fluid reservoir 114, through external lumen 111 and flush lumen 112, out flush port 115 into treatment chamber 41, out vacuum ports 116 through vacuum lumen 113 and back to external lumen 111 for reintroduction into the treatment chamber 41. Note that flush rate and duration of the flush will vary depending on the size of the aneurysm 23 and the desired level of coating or crosslinking. Note that the ports may be located anywhere in treatment chamber 41 along catheter 31 and that use of a different number of ports is anticipated. Furthermore, the location and arrangement of lumens located within, connected to, or embedded in catheter 31 is not critical to this invention. Various lumen arrangements can be use and a single lumen can be used for multiple tasks.

**Replace paragraph 43 with the following paragraph:**

a, [00043] Upon achieving isolation of the treatment chamber 41, chamber 41 is flushed with an appropriate solution. Solution fluid is introduced via a fluid circuit consisting of a fluid reservoir 114, an external lumen, defined by external solution tube 110, flush lumen 112 in catheter 31, see FIGS 4A and 4B, and vacuum lumen 113 in catheter 21, see FIGS 4B and 4C. Solution, examples of which were discussed earlier, is circulated by a pump (not shown), or other means known in the art for circulating fluids, from the fluid reservoir 114, through external lumen 111 and flush lumen 112, out flush

port 115 into treatment chamber 41, out vacuum ports 116 through vacuum lumen 113 and back to external lumen 111 for reintroduction into the treatment chamber 41. Note that flush rate and duration of the flush will vary depending on the size of the aneurysm 23 and the desired level of coating or crosslinking. Note that the ports may be located anywhere in treatment chamber 41 along catheter 31 and that use of a different number of ports is anticipated. Furthermore, the location and arrangement of lumens located within, connected to, or embedded in catheter 31 is not critical to this invention. Various lumen arrangements can be use and a single lumen can be used for multiple tasks.

**Amend paragraph 44 as follows:**

[00044] Balloon 34, 35, and 36 are inflated via a pump circuit comprising a pump 120 connected to the catheter 31 by means of an external tube 122. Said external tube 122 defines an external lumen, ~~119~~ (not shown) which communicates with lumens B35 and B36, see FIGS 4 and 4A-4C, for inflation and deflation of balloons 34, 35, and 36.

**Replace paragraph 44 with the following paragraph incorporating amendments:**

[00044] Balloon 34, 35, and 36 are inflated via a pump circuit comprising a pump 120 connected to the catheter 31 by means of an external tube 122. Said external tube 122 defines an external lumen, (not shown) which communicates with lumens B35 and B36, see FIGS 4 and 4A-4C, for inflation and deflation of balloons 34, 35, and 36.